



**PARA LIGHT ELECTRONICS CO., LTD.**  
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## DATA SHEET

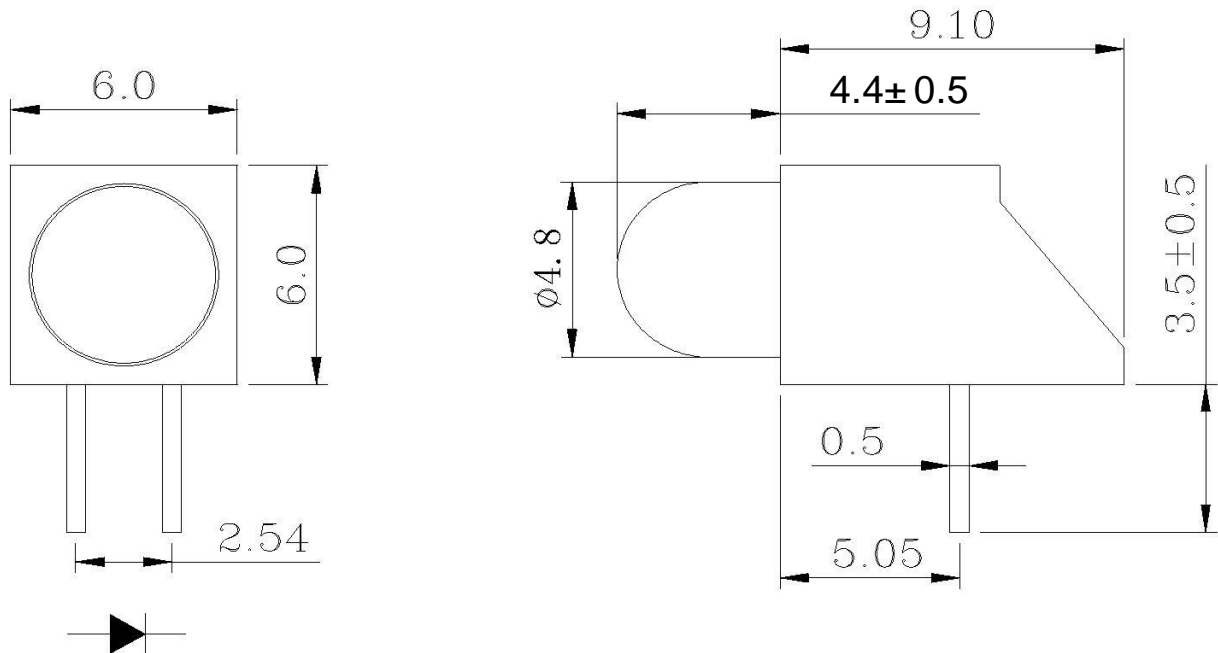
PART NO. : LH521007B

REV : A / 0

CUSTOMER'S APPROVAL : \_\_\_\_\_

DCC : \_\_\_\_\_

PACKAGE DIMENSIONS



Note:

1. All Dimensions are in millimeters.
2. Tolerance is  $\pm 0.25\text{mm}$  (0.010 ") Unless otherwise specified.
3. Protruded resin under flange is 1.5mm (0.059 ") max.
4. Lead spacing is measured where the leads emerge from the package.
5. Specification are subject to change without notice
6. The lamps have sharp and hard points that may injure human eyes or fingers etc., so please pay enough care in the handling.
7. A=L523SRD-A

**5.0 mm LED LAMP WITH LHY5001-1N HOLDER**

LH521007B

REV:A/0

**FEATURES**

- \* 5.0mm DIA LED LAMP
- \* LOW POWER CONSUMPTION.
- \* I.C. COMPATIBLE.
- \* LONG LIFE SOLID STATE RELIABILITY.
- \* PB FREE PRODUCTS(Compliant with EU's RoHS.)

**CHIP MATERIALS**

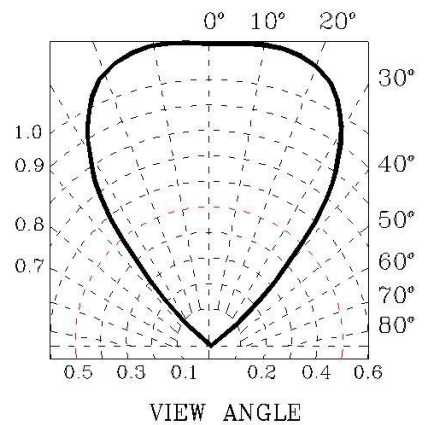
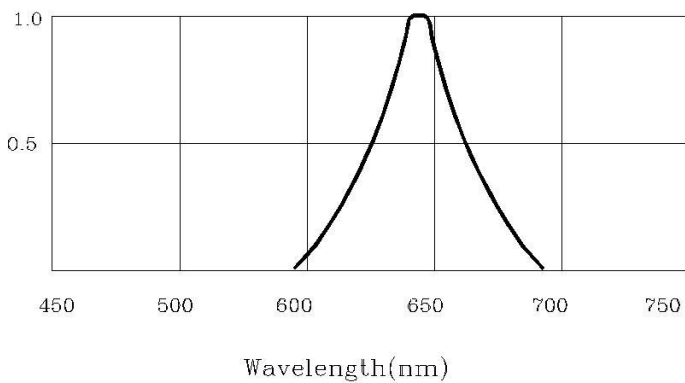
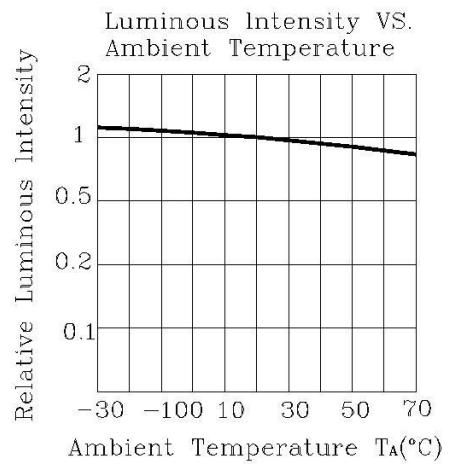
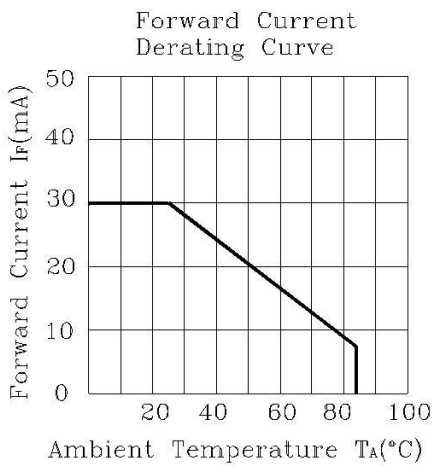
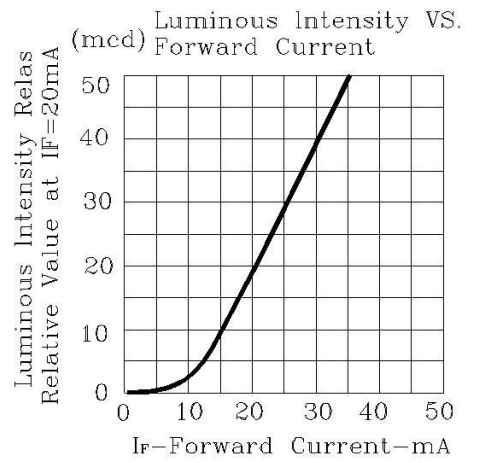
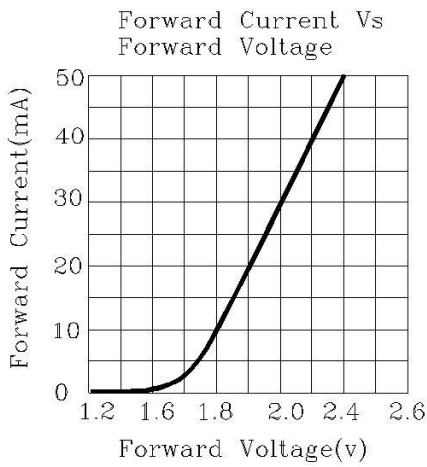
- \* Dice Material : GaAlAs/GaAs
- \* Light Color : Red
- \* Lens Color : Red Diffused

**ABSOLUTE MAXIMUM RATING : ( Ta = 25°C )**

SYMBOL	PARAMETER	Red	UNIT
PAD	Power Dissipation	75	mW
VR	Reverse Voltage	5	V
IF	Average Forward Current(Duty=0.1,1KHZ)	30	mA
IPF	Peak Forward Current Per Chip (Duty=0.1,1KHz)	120	mA
—	Derating Linear From 25°C	0.40	mA/°C
Topr	Operating Temperature Range	-25°C to 85°C	
Tstg	Storage Temperature Range	-25°C to 85°C	

**ELECTRO-OPTICAL CHARACTERISTICS : ( Ta = 25°C )**

SYMBOL	DESCRIPTION	TEST	MIN.	TYP.	MAX.	UNIT
Vf	Forward Voltage	IF=20mA		1.9	2.5	V
IR	Reverse Current	VR=5V			100	µA
λD	Dominant Wavelength	IF=20mA		640		nm
λP	Peak Wavelength	IF=20mA		665		nm
Δλ	Spectral Line Half-Width	IF=20mA		32		nm
2θ1/2	Half Intensity Angle	IF=20mA		80		deg
Iv	Luminous Intensity	IF=20mA		20		mcd





5.0 mm LED LAMP WITH LHY5001-1N HOLDER

LH521007B

REV:A/0

Label Explanation



光鼎电子股份有限公司

PARA LIGHT ELECTRONICS CO.,LTD.

PARA NO. :

LOT NO. :

INSPECTED

BIN :

Q' TY : PCS

N. W : g

PARA NO. :

LOT NO. : E L L 4 7 0009

A B C D E F

A---E: For series number

B---L: Local F: Foreign

C---L: LAMP

D---Year

E---Month

F---SPEC.

N'W : Net Weight

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